



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/824,912	04/15/2004	Kotaro Kashiwa	450100-05012	7331

7590 03/18/2009  
FROMMER LAWRENCE & HAUG LLP  
745 FIFTH AVENUE  
NEW YORK, NY 10151

EXAMINER
----------

CHIO, TAT CHI

ART UNIT	PAPER NUMBER
----------	--------------

2621

MAIL DATE	DELIVERY MODE
-----------	---------------

03/18/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/824,912	<b>Applicant(s)</b> KASHIWA ET AL.	
	<b>Examiner</b> TAT CHI CHIO	<b>Art Unit</b> 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 20 November 2008.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 29-36 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 29-36 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Response to Arguments***

1. Applicant's arguments with respect to claims 29-36 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 29, 30, 33, and 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Voltz et al. (US 6,504,577 B1) in view of Chargin, Jr. et al. (5,497,244).

**Consider claims 29 and 33,** Voltz teaches an apparatus for processing video signals, comprising: a video decomposition section, which accepts an input composite video signal comprising a sequence of frames, each frame comprising an even field and an odd field (150 of Fig. 2, and Fig. 3), acquires a first reproduction output video signal comprising a sequence of frames, each frame comprising an even field and odd field, the odd field in the first output signal being same as the odd field of each frame in the input signal, and the even field in the first output signal being generated by copying data of the odd field of the same frame in the first output signal (Fig. 6A and Fig. 6B, and col. 13, lines 27-52, col. 9, lines 11-30 and col. 9, lines 41-50), and acquires a second

Art Unit: 2621

reproduction output video signal comprising a sequence of frames, each frame comprising an even field and an odd field, the even field in the second output signal being same as the even field of each frame in the output signal, and the odd field in the second output signal being generated by copying data of the even field of the same frame in the second output signal (Fig. 6A and Fig. 6B, col. 13, lines 27-52, col. 9, lines 11-30 and col. 9, lines 41-50). However, Voltz does not explicitly teach copying data of the odd/even field of the same frame in the first/second output signal.

Chargin, Jr. teaches copying data of the odd/even field of the same frame in the first/second output signal (col. 4, lines 24-28). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to copy data of the odd/even field of the same frame to efficiently compress the data.

**Consider claims 30 and 34**, Voltz and Chargin Jr. teach the apparatus comprising an interpolation section, wherein each of a first frame and a second frame comprises an even field and an odd field (col. 13, lines 27-52), wherein the interpolation section uses interpolation to provide an odd field that is added to the first frame and an even field that is added to the second frame (Fig. 6A and Fig. 6B).

3. Claims 31, 32, 35, and 36 rejected under 35 U.S.C. 103(a) as being unpatentable over Voltz et al. (US 6,504,577 B1) in view of Chargin, Jr. et al. (5,497,244) as applied to claim 29 above, and further in view of Watanabe (6,002,835).

**Consider claim 31**, Voltz and Chargin Jr. teach all the limitations in claim 29 but do not explicitly teach the apparatus comprising a decompression section coupled to the

video decomposition section, wherein the decompression section accepts an input compressed composite video signal and provides, uncompressed, the composite video signal input to the video decomposition section.

Watanabe teaches the apparatus comprising a decompression section coupled to the video decomposition section, wherein the decompression section accepts an input compressed composite video signal and provides, uncompressed, the composite video signal input to the video decomposition section (34 of Fig. 4). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to decompress the compressed video signal to reproduce the video signal on a display.

**Consider claim 32**, Watanabe further teaches the apparatus comprising: a recording medium (2 of Fig. 4); and a reader coupled to the decompression section and configured to read from the recording medium, the reader acquiring the compressed composite video signal from the recording medium (31 of Fig. 4).

**Consider claim 35**, Watanabe further teaches the method further comprising accepting an input compressed composite video signal (Fig. 4); and decompressing the input compressed composite video signal (Fig. 4).

**Consider claim 36**, Watanabe further teaches the method further comprising acquiring an input compressed composite video signal from a recording medium (Fig.4).

### ***Conclusion***

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

Art Unit: 2621

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TAT CHI CHIO whose telephone number is (571)272-9563. The examiner can normally be reached on Monday - Thursday 9:00 AM-5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Tran can be reached on (571)-272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2621

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/T. C. C./  
Examiner, Art Unit 2621

/Thai Tran/  
Supervisory Patent Examiner, Art Unit 2621